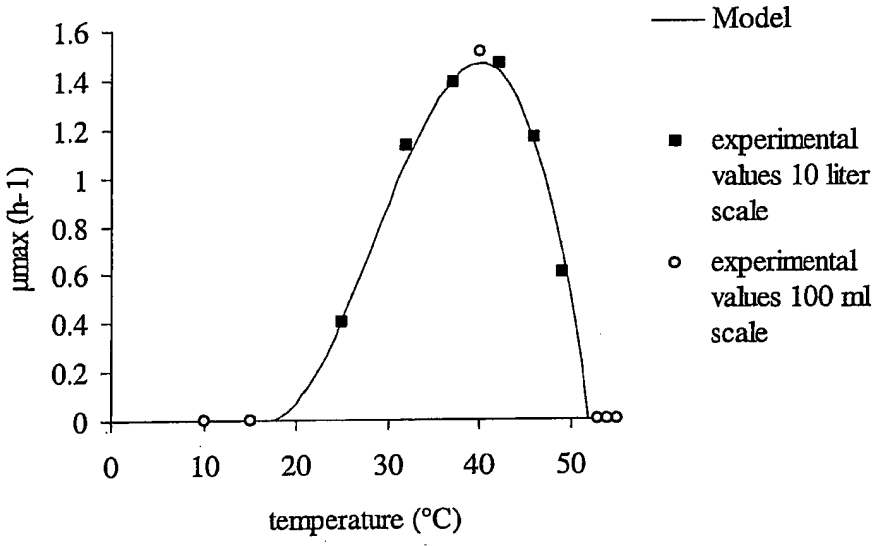
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
μmax (h-1)
0
10
20
30
40
50
temperature (°C)
Model
experimental values 10 liter scale
experimental values 100 ml scale

Figure 1

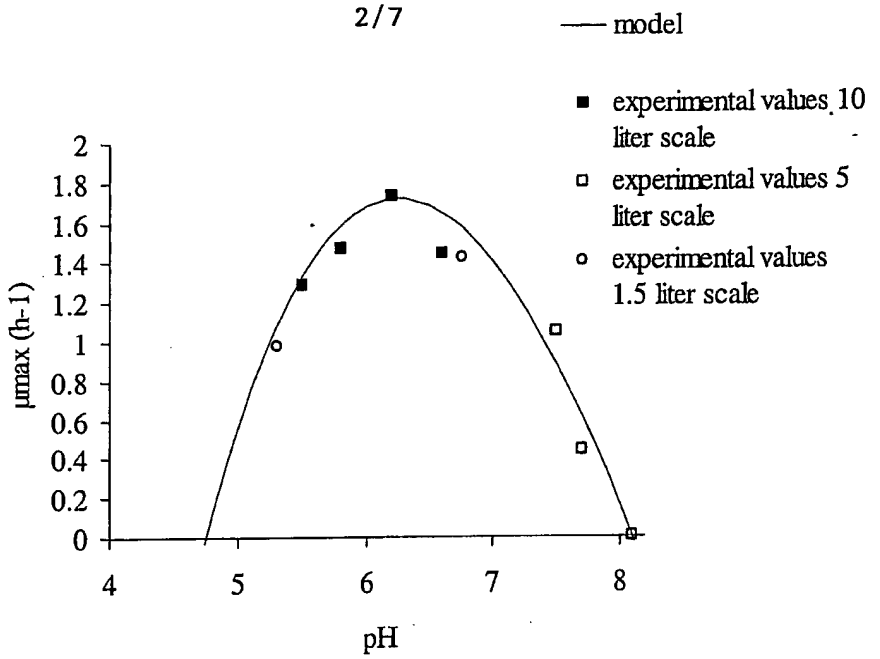

Figure 2

β-D-Gal*p*-(1-6)-β–D-Gal*p*
1
↓
4
2)-α-L-Rha*p*-(1→2)-α-D-Gal*p*-(1→ 3)-α-D-Gal*p*-(1→3)-α-D-Gal*p*-(1→3)-α-L-Rha*p*-(1→

Figure 3A

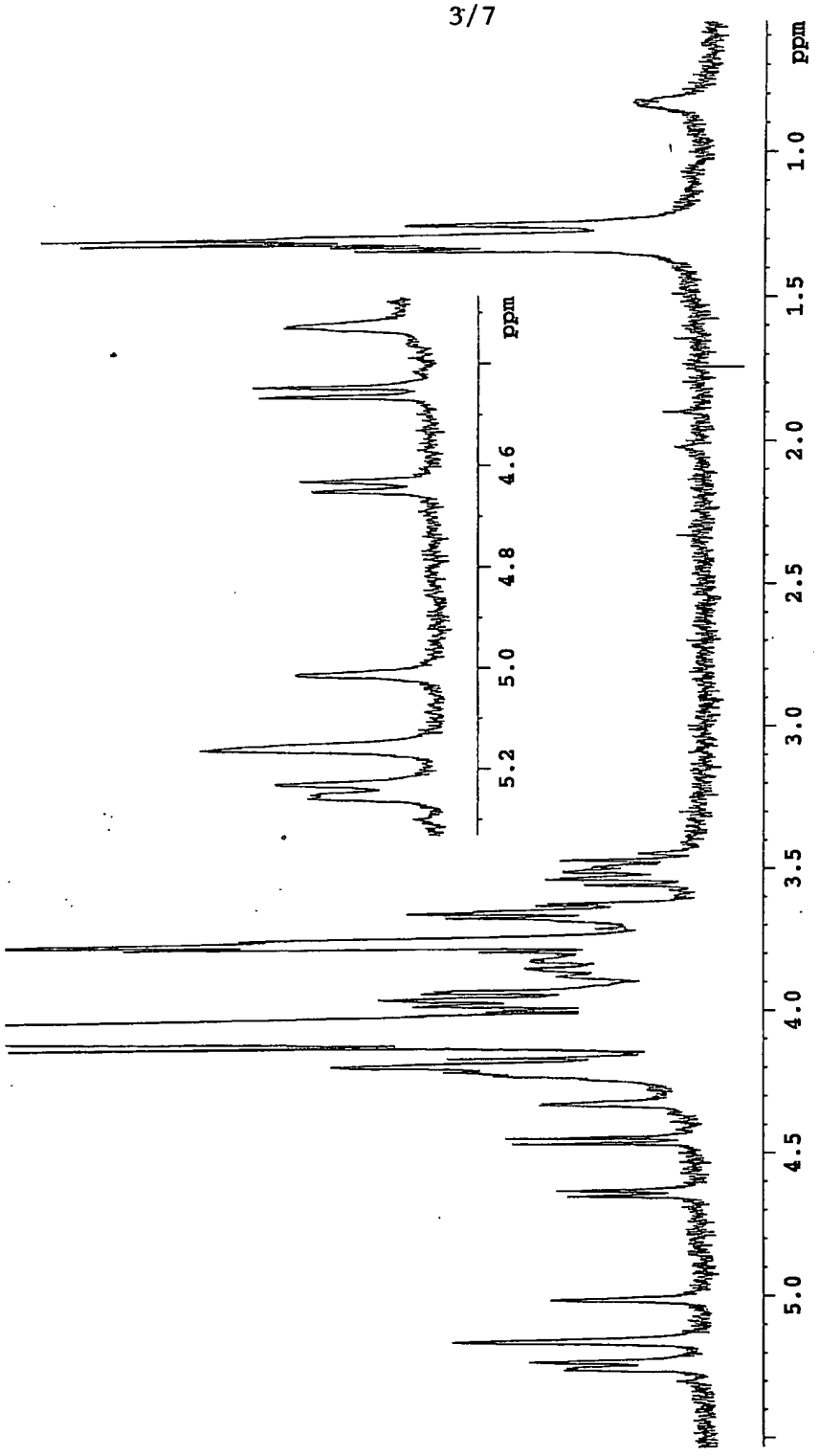

Figure 3B

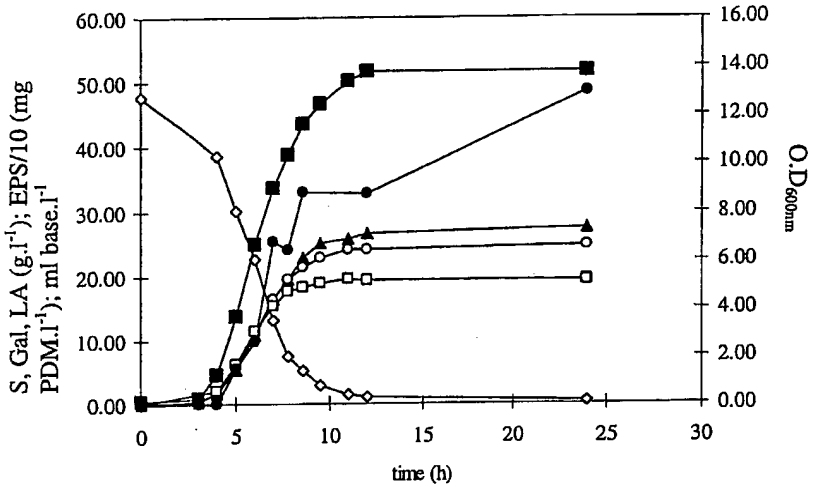
S, Gal, LA (g.l-1); EPS/10 (mg PDM.l-1); ml base.l-1
O.D600nm
time (h)
60.00
50.00
40.00
30.00
20.00
10.00
0.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
0
5
10
15
20
25
30

Figure 4

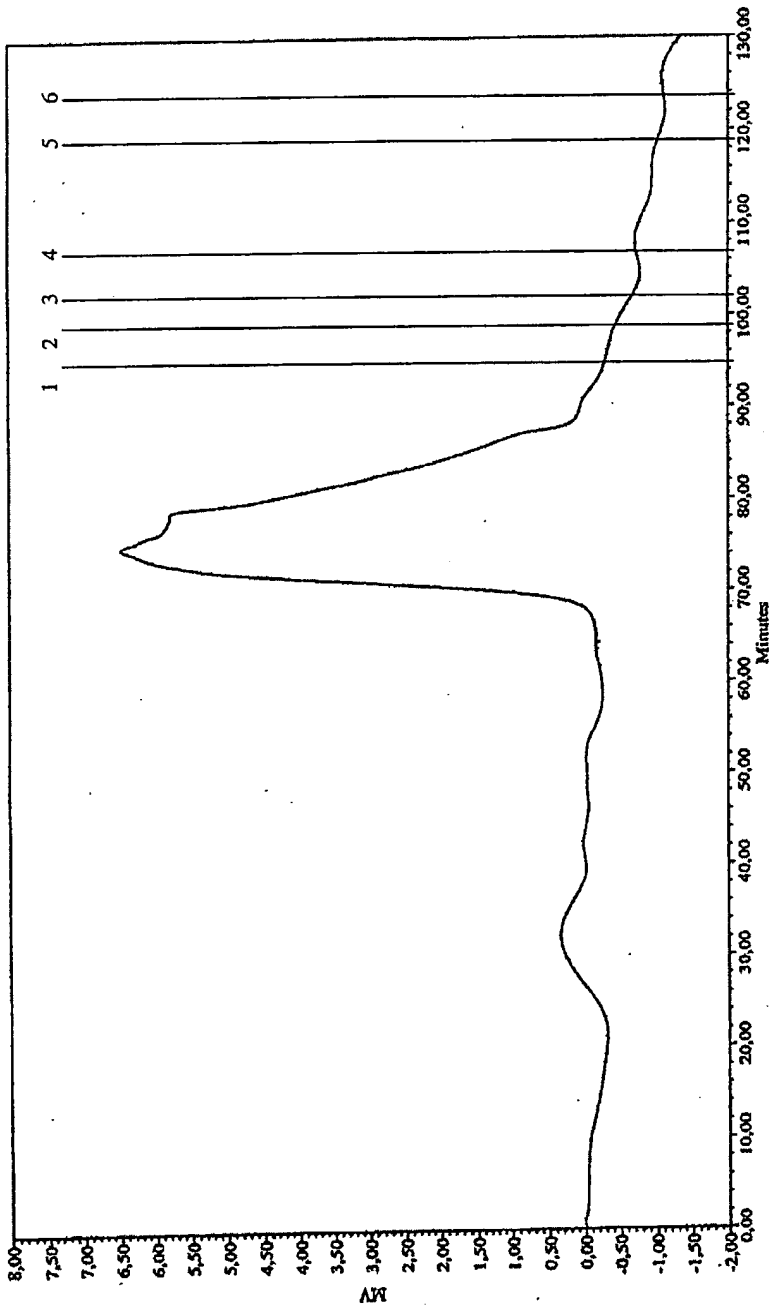

Figure 5

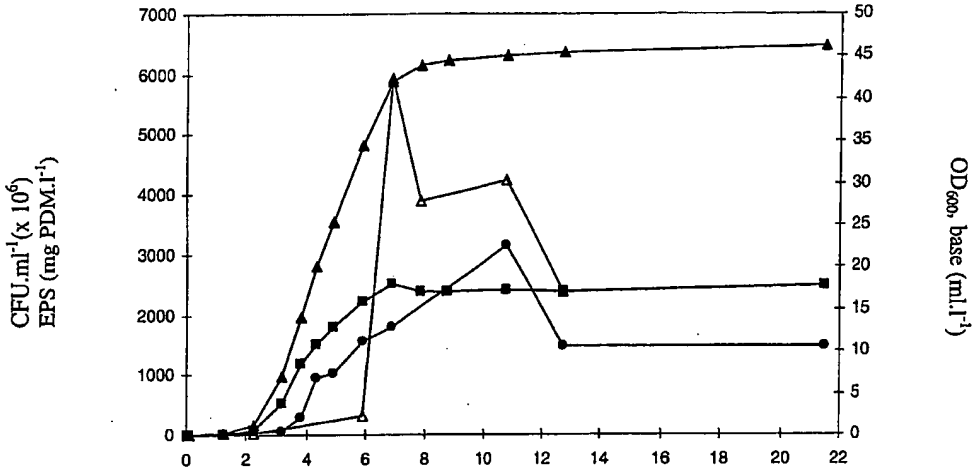

Figure 6A

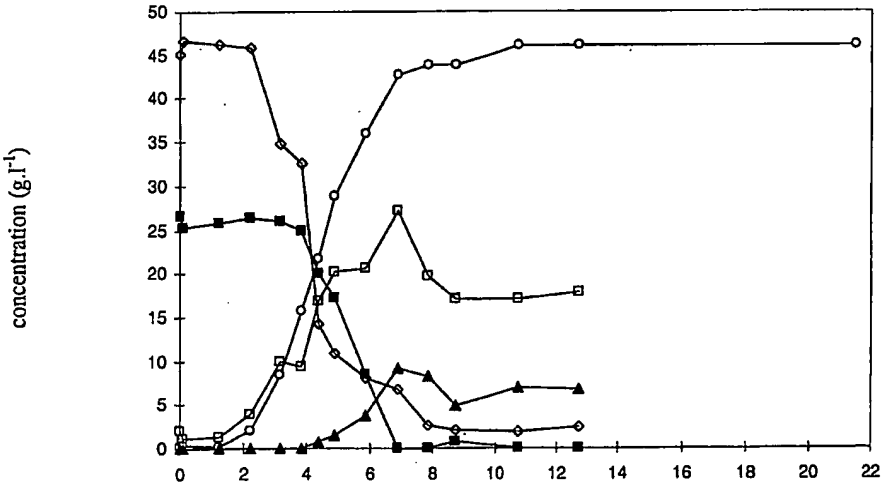

Figure 6B

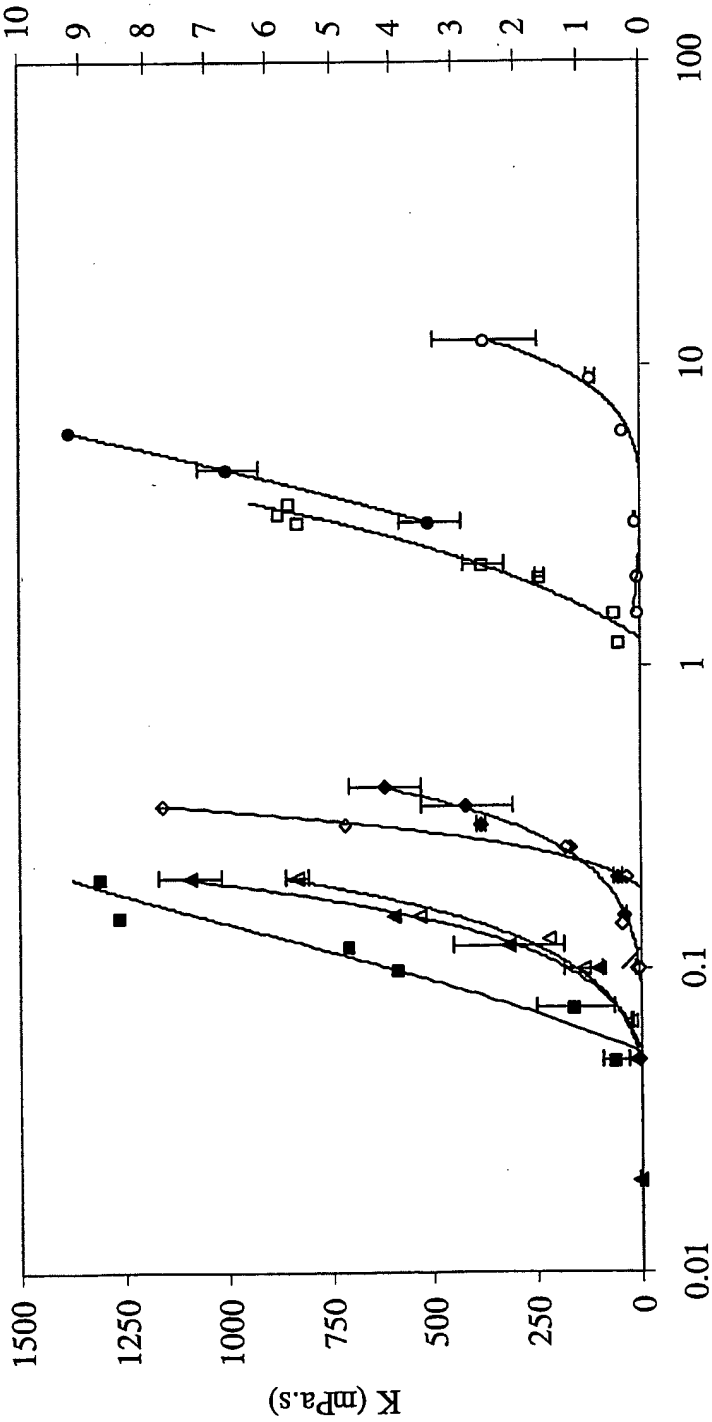
K (mPa.s)
1500
1250
1000
750
500
250
0
0.01
0.1
1
10
100
Concentration (% glucose-equivalents)
K (mPa.s)
10
9
8
7
6
5
4
3
2
1
0

Figure 7